

A METHOD OF COMPRESSING DIGITAL IMAGES

Abstract of the Disclosure

A method is for compressing a digital image including a matrix of elements, with each element including at least one component of a different type

- 5 for representing a pixel. The method includes
splitting the digital image into a plurality of blocks,
and calculating for each block a group of discrete
cosine transform (DCT) coefficients for the components
of each type, and quantizing the DCT coefficients of
10 each group using a corresponding quantization table
scaled by a gain factor for achieving a target
compression factor. The method also includes further
quantizing the DCT coefficients of each group using the
corresponding quantization table scaled by a pre-set
15 factor, and arranging the further quantized DCT
coefficients in a zig-zig vector.

O P E R A T I O N S